

**Windows®. Life without Walls™.**  
**Fujitsu recommends Windows 7.**

# DATASHEET

## FUJITSU ESPRIMO P1510 DESKTOP PC

### THE WIDE-RANGING HOME OFFICE AND MULTIMEDIA PC

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#### ESPRIMO P1510

The wide-ranging ESPRIMO P1510 is the ideal home office and multimedia PC for all the members of the family. Equipped with powerful Intel® processor and graphics technology from leading suppliers it is ideal for processing holiday photos, surfing the Internet and for gaming. The optional built-in Blu-ray player makes it a joy to use Blu-ray disks in HD quality. A wide selection of interfaces makes it easy to connect external devices - it's child play.



#### INTELLIGENT PERFORMANCE

Performance to meet all demands - for office applications and games as well as photo processing

- Latest Intel® Core™ processors with Turbo Boost and hyperthreading technology, up to 16 GB DDR3 memory and 3 TB hard disk capacity

#### DESIGNED AND ENGINEERED IN GERMANY

Outstanding quality and stable functions based on German production standards

- The development, production and function tests are all under one roof in Germany

#### MULTIMEDIA

Un-restricted joy with Blu-ray disks in HD quality

- Blu-ray drive (optional) and HDMI interface with the corresponding multimedia software

#### CONNECTIVITY

Comfortable connection of external devices and easy reading of the various storage media

- 20-in-1 card reader, many different connections, LAN



# COMPONENTS

<b>PROCESSOR</b>	Intel® Core™ i7-870 processor (4 Cores / 8 Threads, 2.93 GHz, 8 MB) Intel® Core™ i7-860 processor (4 Cores / 8 Threads, 2.80 GHz, 8 MB) Intel® Core™ i5-760 processor (4 Cores / 4 Threads, 2.80 GHz, 8 MB) Intel® Core™ i5-750 processor (4 Cores / 4 Threads, 2.66 GHz, 8 MB) Intel® Core™ i5-680 processor (2 Cores / 4 Threads, 3.6 GHz, 4 MB, Intel® HD Graphics) Intel® Core™ i5-670 processor (2 Cores / 4 Threads, 3.46 GHz, 4 MB, Intel® HD Graphics) Intel® Core™ i5-660 processor (2 Cores / 4 Threads, 3.33 GHz, 4 MB, Intel® HD Graphics) Intel® Core™ i5-650 processor (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics) Intel® Core™ i3-540 processor (2 Cores / 4 Threads, 3.06 GHz, 4 MB, Intel® HD Graphics) Intel® Pentium® processor G6950 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics)
<b>OPERATING SYSTEM</b>	
<b>Operating system optional preinstalled</b>	Genuine Windows 7® Home Basic (EM) 32-bit Genuine Windows 7® Home Premium Genuine Windows 7® Professional
<b>Operating system notes</b>	Dependent on configuration Windows 7® versions are: Microsoft Office 2007 ready Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.
<b>HARD DISK DRIVES (INTERNAL)</b>	SATA II, 7200 rpm, 1500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
<b>GRAPHICS ADD ON CARDS (OPTIONAL)</b>	ATI Radeon® HD 5670, 1 GB
<b>DRIVES (OPTIONAL)</b>	Blu-ray Disc™ Triple Writer DVD Super Multi MultiCard Reader 20in1, 3.5-Inch
<b>INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)</b>	WLAN III, 802.11g/Draft-n (Windows only) FireWire PCI-Card IEEE1394
<b>Base unit</b>	ESPRIMO P1510
<b>MAINBOARD</b>	
<b>Mainboard type</b>	D2415
<b>Formfactor</b>	µATX
<b>Chipset</b>	Intel® H55
<b>Processor socket</b>	LGA 1156
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	4 DIMM (DDR3)
<b>Supported capacity RAM (max.)</b>	16 GB
<b>Memory frequency</b>	1066 MHz
<b>LAN</b>	10/100/1000 MBit/s
<b>Audio codec</b>	Realtek ALC888s
<b>Audio features</b>	High Definition audio, 7.1 audio support also via 4x audio jacks (analog)
<b>I/O CONTROLLER ON BOARD</b>	
<b>Serial ATA total</b>	4
<b>Controller functions</b>	Serial ATA II 3 GBit

**INTERFACES**

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	12
USB front	2
USB rear	6
USB internal	4
VGA	1
DVI	1
HDMI	1 (only in config with graphic card)
Mouse / Keyboard (PS/2)	1/1
Ethernet (RJ-45)	1
Multicardreader	20-in-1
eSATA	1
Interface Module notes	Anytime USB charge functionality

**INPUT DEVICE / COMPONENTS**

	Optical USB wheel mouse
	Keyboard

**DRIVE BAYS**

Drive bays total	5
3.5-inch internal bays	2
3.5-inch external bays	1
5.25-inch external bays	2

**SLOTS**

PCI-Express 2.0 x16	1 x (240 mm)
PCI-Express x4 (mech. x8)	1
PCI-Express x1	1 full height
PCI (32-bit / 33 MHz)	1 x (240 mm) full height

**GRAPHICS**

Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1024 x 768 pixel 1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphics features	DirectX 10 Supporting full HD video experience
Graphics notes	Shared memory depending on driver Resolution (color depth up to 32 Bit/pixel) Refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend using 60Hz

**ELECTRICAL VALUES**

Rated voltage range	200 - 240 V
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**ELECTRICAL VALUES**

Rated frequency range	50 - 60 Hz
Operating voltage range	200 - 240 V
Operating line frequency range	47 - 63 Hz
Max. output of single power supply	330 W
Monitor outlet	No

**POWER CONSUMPTION**

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e9f66d64-f5ed-4bb6-a7e3-4d5b37811977">http://docs.ts.fujitsu.com/dl.aspx?id=e9f66d64-f5ed-4bb6-a7e3-4d5b37811977</a>

**HEAT DISSIPATION**

Heat dissipation notes	See white paper Energy Consumption
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**NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)**

Noise emission	According to ISO9296
Related Processors for noise	Intel Core i7-870
Noise Operation mode 1: ODD load (Blue angel requirement)	4.2 B / 28 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	4.0 B / 25 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.6 B / 32 dB(A)
Noise Operation mode 4: High load	4.9 B / 32 dB(A)
Noise Operation mode 5: Office applications	4.1 B / 27 dB(A)
Idle mode (Blue Angel requirement)	3.8 B / 23 dB(A)
Noise notes / description	A weighted sound power level L <sub>wad</sub> (in B) / workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), Bystander position

**DIMENSIONS / WEIGHT / ENVIRONMENTAL**

Dimensions (W x D x H)	175 x 425 x 353 mm
Operating position	Vertical
Weight	approx. 11 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C

**COMPLIANCE**

Product	ESPRIMO P1510
Europe	CE
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

**ADDITIONAL SOFTWARE**

Additional software (preinstalled)	Nero Essentials S (burning software)
Additional software (optional)	CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive) Nero 9 Essentials XL
Additional software (included as a CD/DVD)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD)

**COMPATIBILITY (REFERENCES)**

	DMI 2.0 USB 2.0 WMI 1.5
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**SECURITY**

Physical security	Kensington Lock support Eye for padlock
System security	Boot sector virus protection Control of external interfaces
User security	User and supervisor BIOS password

**PACKAGING INFORMATION**

<b>Packaging dimension</b>	500x290x540 mm
<b>Max. quantity / pallet</b>	24
<b>Material - Weight (g) Carton</b>	1270 g
<b>Material - Weight (g) EPS / PS</b>	210 g
<b>Material - Weight (g) PE</b>	appr. 60 g
<b>Packaging notes</b>	printed user documentation is bleached in chlorine free process

**WARRANTY**

<b>Standard Warranty</b>	1 or 2 years
<b>Service level</b>	Collect & Return / Bring-in Service / Send-in Service (depending on country)

**MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION**

<b>Recommended Service</b>	5x9, Response Time: Next Business Day
<b>Spare Parts availability</b>	3 years
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

**FUJITSU PLATFORM SOLUTIONS**

In addition to Fujitsu ESPRIMO P1510, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Dynamic Infrastructures**

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

**Computing Products**

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**Software**

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

**MORE INFORMATION**

Learn more about Fujitsu ESPRIMO P1510, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://ts.fujitsu.com/ESPRIMO>

**FUJITSU GREEN POLICY INNOVATION**

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>

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